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mature age. I knew of only two adult Tukuna with normal moustaches. The pubic hair is always scanty.

Signs of racial intermixture are visible in 20 per cent, more or less, of the members of the tribe—a small percentage, considering that the Tukuna have lived in peaceful contact with civilized persons for two and a half centuries. Evidently the rigid tribal organization into exogamic moieties has prevented unbridled promiscuity.

Defects and diseases.—Serious physical defects of a pathological nature are infrequent. When I inquired about the fate of children born deformed, no one could remember a particular instance. Deformation of the teeth by caries is frequent. Some cases of unilateral blindness the Indians attributed to measles.

Strangely high (2 per cent?) is the incidence of hearing defects, although I have never seen an Indian completely deaf. Defective hearing appears to be hereditary, being more frequent in certain families.

The most damaging diseases are those introduced by the Neobrazilians. Smallpox has ravaged the tribe on various occasions. The first epidemic, which decimated the Omágua in 1649, probably reached the Tukuna as well. Also highly devastating was the smallpox epidemic of 1870, which spread from returning soldiers of the Paraguayan war and almost depopulated certain *igarapés*,[1] such as the Igarapé da Rita.

Formerly there was apparently no malaria or intermittent fever (*impaludismo*) in these tributaries of the Solimões, in spite of the enormous quantities of mosquitoes. But many Tukuna who were taken by their masters to the Javary and Jandiatuba rivers died of this affliction, and others brought it back to the igarapés.

Influenza, catarrh, and other respiratory diseases are frequent but cause less damage among the Tukuna than among the other tribes.

The presence of intestinal worms among these Indians is less common than among the Neobrazilians. There are no venereal diseases, except perhaps among some emancipated families living in promiscuity with the Neobrazilians.

An endemic disease among the Tukuna, which, however, disfigures more than it incommodes, is the *purú-purú*,[2] a skin ailment that results in great irregular patches of a dark bluish color which eventually turns achromatic.

Territory

Formerly the territory of the tribe comprised the jungle centers off the left bank of the Amazon-Solimões from 71° 15′ (Ilha Peruaté) to 68° 40′ W. longitude; its tributaries, the Atacuari, Loretoyacu, Mariuaçú, Tacana, Belém, Cajary, São Jeronymo, and Rita, and the upper course of the drainage which empties into the Putumayo-Içá—the Yahuas, Cotuhé, Poreté, and Jacurapá.

The Tukuna did not then inhabit the banks of the Amazon-Solimões, for fear of the Omágua, who occupied the islands of that river throughout its course in

[1] Terms explained in the Glossary (p. 159) and native words in common use are italicized on their first appearance. Tukuna words are given in a simplified form of Nimuendajú's orthography, which is apparently a normalized phonetic transcription. The following abbreviations are used: P., Portuguese; T., Tukuna; l.g., lingua geral.

[2] *Pinta* or *mal del pinto*, caused by Spirochaeta pintae. In Brazil there are three varieties, called, according to the color of the blotches, "white," "red," and "black." Mexico, *mal del pinto*; Colombia, *carate*; Honduras, *cativi*.—Trans.

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835 684 648 word of the crime and sent someone to investigate. Learning this, Abilio voluntarily went to Belém to declare that he was the killer. His explanation that "they lived like dogs" was no reason at all to the Neobrazilians, who did not understand it, so he returned home. A few days later the subprefect of police ordered his arrest, but after several days he was released, to the great satisfaction of the Indians of Tacana, who were said to have been determined to free him by force. As a matter [732] of fact, after all this, Joaquim tauaru[1] did appear to me to be mentally unbalanced when I encountered him. The Indians said that he had already acquired the nature of a dog: one girl, who watched him from a hiding place, observed that he dug the earth with his fingernails like a dog!

Law

685 *Crimes.*—I have never heard of theft occurring among the compound families characteristic of Tukuna local groupings, but it does happen away from their confines, even among fellow tribesmen. The person robbed, eventually aided by his relatives, deals personally with the thief. Willful thieves cannot hope for very gentle treatment on the part of the victims. A certain nai"a'ki of Igarapé de Belem broke into a trunk during the owner's absence, stealing the contents, but was surprised and forced to return everything. Some time later he repeated the misdeed in another house, but not so cleverly as to avoid suspicion of robbery. Since nai"a obstinately refused to return his loot, the victim promptly shot him; but the wound was not fatal.

574 674 The great majority of crimes involving death or injury take place during the work parties and celebrations, being due to drunkenness. As I have already indicated, they are almost always without a serious motive, simply because alcohol, in certain Tukuna, arouses not the sexual instinct but the desire to quarrel, which is directed most of the time against their own relatives. A fight at Igarapé da Fé that ended with the death of one person and the wounding of two began with insults which an Indian for no apparent reason hurled at his father. Strangely numerous are the quarrels among drunken brothers-in-law. Could this be some a priori subconscious hostile feeling against the intrusion of another clan into the family? Moreover, in the language of the Guaraní, who have no such clan organization as the Tukuna, the word for brother-in-law, *tovayá* (*ra*), means also "competitor" and the verb *akovayá* means "to be against."

672 273 In any case, as I have already explained, the Tukuna appear to consider drunkenness an extenuating circumstance, which absolves the criminal almost completely of responsibility. This point of view appears in the lack of concern about such incidents: "He was soused!" they say, and that is the end of it. Even a murderer's own relatives, at first naturally enraged, gradually accept this point of view which they would never do if the crime were committed in cold blood." However, a certain aversion to the slayer always remains, and if he is so imprudent as to glory in the deed, the relatives of the victim may still have a sudden and violent reaction and seek revenge. It is, however, true that a killing by a drunken man will not per se provoke reprisal.

[1] See pp. 106 ff. for the story of the execution of an evil shaman.